

### REMARKS

The Office Action of September 10, 2007 has been received and carefully reviewed. It is submitted that, by this Amendment, all bases of rejection are traversed and overcome. Upon entry of this Amendment, claims 1-11 remain in the application. Claims 12-21 have been previously cancelled. Reconsideration of the claims is respectfully requested.

Claims 1-11 stand rejected under 35 U.S.C. § 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 1 has been amended, as the examiner suggests, to state that the monoacrylate is polymerized in the presence of a light sensitive initiator. It also has been amended to state, as the examiner suggests, that the light sensitive initiator is activated by exposure to light to form free radicals that initiate polymerization of the monoacrylate to form a polymer. No new matter was added. With this amendment, it is submitted that the examiner's concerns are obviated, and the applicants respectfully request that the §112 rejection be withdrawn.

Claims 1-11 stand rejected under §103(a) as being unpatentable over Kasperchik et al. (U.S. Patent No. 6,742,456). Claims 1-11 also stand rejected under §103(a) as being unpatentable over DE 10158 233 A1 in view of Kasperchik et al.

Claims 1-11 had previously been rejected under §102(e) based on the same reference, Kasperchik et al. This §102(e) rejection was overcome by amendment of the claims in the Amendment after Final entered with the Request for Continuing Examination of August 3, 2007.

Kasperchik et al., based on its filing and publication dates and before it was overcome in the previous Amendment, qualified as anticipatory prior art, *if at all*, only

under §102(e). Therefore, according to §103(c), it is possible to overcome this §103(a) rejection because Kasperchik and the present application are commonly owned and were commonly owned at the time the invention claimed in the present application was made. A direct statement, signed by Applicants' attorney, that the present application, as well as Kasperchik, were owned by or subject to an obligation of assignment to Hewlett-Packard Development Company, L.P. at the time the present invention was made is filed concurrently herewith. Thus, under the provisions of §103(c), it is submitted that the §103(a) rejection based on Kasperchik should be withdrawn.

With Kasperchik withdrawn as a §103 reference, DE 101 58 233 A1 would not qualify as a §103 reference on its own. In order to react a polyacid and a polybase in a 3D printing system, DE '233 teaches using a redox catalyst to polymerize components. It neither teaches nor suggests using the light sensitive initiator of the present application. One skilled in the art could not achieve the present application based on DE '233.

As such, it is submitted that Applicants' invention as defined in independent claim 1, and in those claims depending ultimately therefrom, is not anticipated, taught or rendered obvious by Kasperchik, either alone or in combination with DE '233, and patentably defines over the art of record. It is also submitted that DE '233 alone does not anticipate, teach or render obvious the Applicants' invention as defined in independent claim 1.

For all the reasons stated above, it is submitted that Applicants' invention as defined in independent claims 1-11, and in those claims depending ultimately therefrom, is not anticipated, taught or rendered obvious by the cited reference(s), either alone or in combination, and patentably defines over the art of record.

In summary, claims 1-11 remain in the application. It is submitted that, through this Amendment, Applicants' invention as set forth in these claims is now in a condition suitable for allowance.

Further and favorable consideration is requested. If the Examiner believes it would expedite prosecution of the above-identified application, the Examiner is cordially invited to contact Applicants' Attorney at the below-listed telephone number.

Respectfully submitted,

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